Tarboro', Edgecombe County, (N. C.) Saturday, July 3, 1852.

Whole No. 27.

THE SOUTHERNER, GEO. HOWARD, Jr., Elitor & Proprietor

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,, each insertion afterwards, 0 25 Court Orders and Judicial advertisements 25 per cent. higher. 1 Yearly advertisements by contract

AGRIGULTURAL.



10:00 A friculture is the chief foundation of ion's power, as it not only furnishes man th food and clothing, but also with materi for the mechanic arts, and commerce."

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From the Working Farmer.

ADVANTAGE OF The Farmer of this Age.

on and its evacuations by respiration. strengthen the bones. ese accessions to our knowledge of the

A century ago, nothing, it may be said, trifling yet all important truths.

particular secretions of different species be fully exploded. it tribes of plants are formed; how the same il, the same atmosphere, should in the leaf the viac or serrel, produce a wholesome

DISPARAGEMENT OF

The Farming Profession.

cid, and in that of a spurge or machineel a

nost virulent poison; how sweet and nutri-

ous herbage should grow among the acrid

owfoot and aconite, we found ourselves to-

in wonderful powers in so small and seem-

by simple an organ as the leaf of a plant."

N. E. Farmer.

farmer. Farmers themselves frequently entertain the same opinion; especially those who cling so tenaciously to the "good old way" and reject the advantages of which science so earnestly invites them to avail themselves. Now this is all error-hurtful error -and the sooner it is banished, the sooner shall we find husbandry assuming its rightful position. So long as men are led to rank griculture as a calling fitted only to broad will the pursuits of the farmer be lowered in ses why these effects are produced.

the estimation of the other professions. But why should this be so? What single argument can be advanced in favor of such an absurd opinion, and what possible excuse can be offered in extenuation, by those farmers who thus disparage the high character of their profession? If there be any one pursuit in life more closely allied to science than all others; that pursuit is agriculture. Science is made to play a part in the daily operations of the farm. Geology and mineralogy various properties and uses of the minerals actions requisite for the formation of a truly lumes.

etable kingdom have been made by de- of science-to mineralogy, botany, natural of water falling through the atmosphere en- the soil, each of which has the power of abes, the result of long studies and exact philosophy, &c .- and show the intimate re- tering the necessary food for which starts directly into leaf and in its turn al character is good, at least we never passes down, carrying with it a large amount plants, are the agents for the carrying into helps the cutting to form roots and in its heard aught said against it in the countion to perspiration, Dr. Hales found that culture; but enough has been said to dis- of heat. Large quantities of carbonic acid effect the necessary laws of nature for the whole even forms a thriving tree. The meth- ty where he was born and bred, and unflower lost 1 lb. 14 oz. weight in twelve prove the disparaging assertions already al- gas and ammonia, washed out of the atmos- protection of vegetable growth. pars of a hot day. In a dry night it lost laded to. From the most trifling operation phere during its descent, and those results of bout 3 oz. In a moist night little altera- on the farm, to the minutest analysis of soils former vegetation which have underwent de- use of the sub-soil plow, for its deep cuts are tween, over which bend the cutting, and and plants, science is the ready and willing cay are again arrested for the use of plants. Haymakers know the rapidity with which handmaid of the farmer. The simple truths The wat r discharged from the drain mouths rass is dried, which is owing to this perspi- every day presented to his observation, (sim- is always from one to ten degrees colder under-drains, the sub-soil plow becomes the Cuttings should be of the last year's growth, tion, the juices not being again supplied by ple, however, only when practically demon- than when it entered the surface of the soil, sorotion as when the grass was living. It strated,) are the brilliant results of persever- and the excess of heat is evenly divided render his surface-soil of any depth he pleasould be interesting to trace the history of ing research of men of the most exalted gen- through the mass of earth above the level of es; to call on the great store-house of his lese discoveries in vegetable physiology, but ius. How few there are, who appreciate the the drains. said require more time and space than we wasting toil and energy that were required. As air in a state of rest is the best non-con-

ely, though the knowledge of the former is worse still, many farmers themselves, if not of organic constituents of the atmosphere. craum, and descending in the outer bark. end of this? When will the science of farm- ne received with it.

Pennsylvania Farm Journal.

Under-Draining. hich prevails to a considerable extent in large masses of water, and for the improve- content, when half our farm is under-drain- devoted to their daily business. hearly every portion of the community is, ment of soils which were but slightly too wet ed, and think before this making of the un- We want 10,000 subscribers, and this is

afined to a fewer number of persons than by their words, sanction this slander. If Water is capable of taking up many times a son gives evidence of an intellect a little su- its bulk of several of the gases, and the con-It is only a little more than fifty years perior to that of his sire, the farm becomes densation of the moisture of the amount of carbon detained in the soil his red oxen was dead. face the true suggestion of what the true too limited a field for his genius, and agricul- to form dew, necessarily causes it to fall to from the carbonic acid gas circulating in it ap vessels of plants, was given by Dr. Dar- ture too insignificant a profession for his the earth's surface, surcharged with such with the atmosphere, or brought to it from ways was a breechy cuss. Take his hide off mocracy of Buffalo, N. Y., held a large in, and their operation and functions ascer- transcendent powers. The lawyer, the di- gases as it may entangle with itself; but if the atmosphere by the dews and rains; and af- and carry it down to Fletcher's; it will bring and spirited ratification meeting. thed, by experiments of himself and others, vine, or the physician's office is considered we examine water as it issues from these ter the soil has become fairly charged with the cash." An hour or so afterwards, the bllowed to more certain results by Mr. his legitimate sphere, and the youth who gases, & instead of fertilizing our neighbor's this necessary and mest valuable of erganic man came back with the news that "line a number of gentlemen spoke, among light. It was discovered from those expe- might become an excellent farmer, ends his fields, at a lower level, with the soluble ma- ingredients, it is then, and not until then, ca- back" and his mate were both dead. "Are whom was Mr. Howard, of Tenn. Mr. ments that the sap ascends the spiral ves- career as a second or third rate lawyer, terials of our own, we pass the water toward public of receiving ammonia, and of retaining they?" said the old man, well I took them of els of the plant forming in its ascent the al- preacher, or doctor. When shall there be an the vallies, first retaining all articles of val- that contained in the fertilizing materials B.____, to save a bad debt that I never ex-

the by this knews that if he would destroy when the spirit of progress shall have pene- bles, is the ready decomposition of vegesurnum to the hard wood, while if he more- our farmers shall be taught to respect and roots of plants, &c., &c., and this should be descending he may increase his crop of education will supply that skill, and that in- composition is either arrested, or if in probuit, without injury to the vine, if the ring is will end when the thousands of American far- injurious to new growths. In under-drained alone. --- Working Farmer. of made too wide to unite again. The two mers who are possessed of the means, will soils, on the contrary, the free supply of atgentlemen named, with a few others, Mirbel, venture beyond the beaten track of their an- mosphere ensures all the conditions necessaalpighi, Grew, Wildenow, Hales, Priestly cestors-explore the hidden mysteries of na- ry for healthful and proper decomposition tothers, by a series of interesting experi- ture-examine and understand her various beneath the surface of the soil, nor do underments, have made us acquainted with the processes, and thus fit themselves to till the drained lands suffer so severely from drought ructure and functions of the vegetable world. carth more successfully-when every blade of as those which are not under-drained, for need of a papor in our State to be devoted to To Dr. Priestly we owe the knowledge of grass, every leaf and plant and vegetable the very atmosphere which can percolate the the farming interest especially, and we, at respiratory action of the leaves of plants. will possess for them an interest sufficient to one and cannot the other, will continually length, with great diffidence, assumed the the big opinion was, that the inspiration was lead them to investigate its character, and deposit moisture on the surfaces of every par- laborious task of editing such a paper. We arrace of the leaf. This fact is corroborated its germination, development and maturity cause water to be deposited from the atmos- working in this way in their respective States atment; the upper and smooth side is al- soil learns to regard his own profession as one on the surface of a pitcher filled with cold a fame like theirs, which will last for ages. ys applied to the skin, which "draws," as of the most honorable, ennobling and scienti- water, will always cause moisture to be de- In the present flourishing condition of Virgin-

[himself mentally unfit for other pursuits, that answer to numerous inquiries in relation to rains, or the long absence of them, produce State. We have done our share in this mat- yielded up at her shripe. This 'a ent this subject, we shall attempt to treat it comparatively no ill effects on the under- ter, and we now say, that if the farmers in feature of his character he may have inquite fully, notwithstanding our articles on drained portions. It is the last of our soils to our State feel the need of such a paper, and the subject. We would refer to them, how- be closed by winter frosts, and is the first to wish to see it live longer than one year, they ever for the modes of constructing drains, yield up its rigidity in the spring; nor are must exert more energy than what they have proper tools to be used, kinds of tile to be se- these the low lands of our farm—the under- done in the premises. We are not sustained lected, &c., &c. The fact that under-drains drains run to the very hill top, and even there sufficently to continue, and what has been improve the qualities of the soil, and render the benefits are very great, as compared with | done, has been principally by ourself; by leavit capable of producing larger crops without the cost of the under-drains. No error is ing our home, and neglecting our studies, to material increase in the amount of fertilizing more common than to suppose that water en- go over the State to "devil drag" the farmmaterials used, is now generally admitted, ters under-drains during its passage down- ers to persuade them to look to their interest. and we therefore consider the fact establish- ward in the soil; -the portions so entering As to the merits of "the Farmers' Journal," shoulders and empty minds-just so long ed, and will only offer to account for the cau- the drains, are not one per cent. of the quan- we will say for the benefit of those who have tity which runs through them. It is after never seen a copy, that we saw, a few days Soils are the debris of rocks, the decompo- the lower pan beneath the drains is filled with since, the ex-treasurer Charles Hinton, Esq., sition is often but partial, and thus we find water and rises to the level of the drains, that who told us, that he was more pleased with it particles in the soil, in which are locked up, the running off commences, and they merely than any paper of the kind he had ever seen. beyond the reach of the roots of plants, ma- act to prevent this accumulation from ap- We of course, did not understand him to say, ny materials necessary for their sustenance; proaching near enough the surface to inter- that it was the most scientific paper, but that fifty years ago in Hillsborough county, and in soils requiring under-draining, this fere with the growth of plants. During long what we had written, could be understood by New Hampshire, and is the son of Benultimate disintegration of their particles can- rains the water will rise nearer the surface all. We hope after this the farmers will send jamin Pierce, who was high Sheriff of not proceed, from the operation of nature's half-way between two drains, than nearer the in their names, and the cash, and let us live that county for many years; Governor of laws being arrested by stagnant water residerains themselves, and it is for this reason longer than one year. Address Dr. J. F. the State in the years 1827 and 1829, dent among the particles. It not only occu- that drains of five feet deep and eighty feet | Tompkins, Bath, Beaufort County, N. C. and withal a Revolutionary soldier. pies the spaces between particles, but being apart, are as effective as those of three feet and the paper shall be sent forthwith. explain to the farmer the formation of the in a state of rest, prevents the entrance of deep and twenty feet apart. We have before earth's crust—the character and quality of new portions of water, charged with the ne- given a diagram illustrative of these facts, the rocks and soils which compose it, and the cessary gases, to ensure the proper chemical which will be found in one of our former vol-

hidden beneath it. Chemistry his bountiful fertile soil. Manures placed on the surface To suppose that manures in a state of somistress extends to him her fostering care. of under-drained soils, are washed off at ev- lution will be wasted from the mouth of un-She teaches him to analyse his soils as well ery shower. Roots cannot penetrate such der-drains, is an error-for it is impossible to as his plants, and understanding the consti- soils. Soluble salts resident in the soil, such filter downward in the fluid form, through of roses and other plants easy to live, but ap- sort of a radical Democrat. * * * Within the course of a century, what vast tuents of each enables him to adapt the one as sulphate of iron, (common copperas) cannot any fertile soil. Even the brown liquor of ples, pears, plums, apricots, &c. Out of one goveries have been made in relation to the to the other, and thus produce the most suc- escape, nor can they undergo chemical chang- the barn-yard will have all its available contracture of plants and to the vegetable econ-cessful results. She analyses the food he es without the admission of atmosphere. stituents abstracted by the soil, before it dein the functions, especially of absorp- prepares for his stock, and with the unerring Large quantities of water cannot pass down seemds into the earth thirty-four inches. If on and perspiration. Science has shown certainty of science points out the properties freely through the soil, and therefore these this were not true, our wells would long since a few times soon after they were planted. His he made in which plants take up their ali- and value of the different kinds of grain, baneful materials are not washed out, where- have become useless, the earth's surface would method is to put the whole cutting in the and, the particular kind of aliment required roots, &c., so that he clearly understands as when under-drained, soils containing cop- have become barren, and the raw materials, from, and the circulation of the food in what kinds possess fattening qual ties, what peras, will exhibit it in the water of which plants are made, which now occu- just on a level with the surface, at which giuices of the plant, its changes by respi- muscle forming, and what supply and dischargel, until the excess of cop- pies the earth's surface and the surrounding point there must be a good bud or shoot, peras be removed. Cold soils by under-drain- atmosphere, would have passed towards the We might thus refer to every department ing become warm and early. Every gallon carth's centre; but the carbon and alumina of other being protected by the earth from dry- possibly if he reaches the White House

seen compacted by the action of an excess of stick an end in each drill, and cover up and water on the soil; but after the insertion of press the earth firmly, and water freely. farmer's greatest blessing; it enables him to fresh and vigorous. sub-soil for many of its constituents of which his plants are deficient, and to send their to develop and demonstrate these apparently ductor of heat, the soil remains warm, be natural agents (their roots) to collect it. cause the air resident between its particles is They may have used from the immediate sur- example of a resignation, usual among Amer- the ticket being one calculated to win, known of the vegetable anatomy. Now And yet, in the face of all these facts, men not in rapid motion. Each new portion of face many constituents of which he has an icans: structure of the plant has become nearly will tell us that physical strength is the only water passing down through the soil, repeats inexhaustable supply in his sub-soil, and well known as the anatomy of the human essential requisite for the farmer and what is these operations, rendering it the storehouse thousands of acres have been supposed to be worn out, when nothing but their immediate would turn up. One day, while the black surfaces had been disturbed. Well sub-soil- tongue prevailed in that State, one of his ed land is continually changing in color, by men came in, bringing the news that one of which may be added to it. The farmer who pected to get. It is lucky that it ain't the This knowledge is valuable to the farmer, ing be esteemed as it should be? We answer, One cause of the growth of vegeta- deepens his soil from six to twelve irches, brindles. Take the hides down to Fletcher's be interesting to Democrats, the truth doubles the number of acres in which the they will bring the cash." After the lapse of which was vouched by Gen. Arms tree by girdling, he must cut through the trated to every farm-house-when the sons of table matter resident in the soil, such as the roots of his crops may travel, and by this he of another hour the man came back again to strong, of the Washington Union, and may double his crops, while his expences are tell him that the nigh brindle was dead. "Is J. Knox Walker, Esq., private Secregir les the outer bark of his vine with a reverence the profession of their fathers- brought about without the formation of aget- not increased in the same ratio. Let us he?" said the old man," "well he was a very tary to President Polk. When Mr. arrow ring after mid-summer, when the sap when they shall learn to know and feel that ic acid; but in undrained soils this kind of de- know to what depth a farmer plows, in well old ox. Take off his hide and take it down Polk signed the Commission of Gen. drained soils, and if his other points of man- to Fletcher's it's worth cash, and will bring Pierce, appointing him to a command in apes by preventing the descent of the sap, terest, which will render farming as lucra- gress, produces sourness, and such proxi- agement be judicious, we can judge if his I retaining it for the nourishment of the tive and honorable as any other pursuit. It mates from vegetable decomposition as are business be profitable or not, from that fact his wife, who was a very pious soul, taking

The last Appeal

TO THE FARMERS OF NO. CA.

We have seen for a long time, the grea the apper, and the expiration by the under understand the broad principles upon which ticle of the soil. The same reasons which saw plainly, what great good others were to use of the cabbage leaf in medical depend. It will end when every tiller of the phere at noon, of the hottest day in summer, and it inspired us with a disposition to obtain is termed; while the under side, if applied fie of human pursuits—when mental as well as posited on every particle of soil sufficiently ia, may be plainly seen the fruits of one man's the same manner, will have no such effect. physical energy will be deemed absolutely far beneath the surface, to have a temperature labor. The name of Edmund Ruffin is dear it is true a great deal remains for the re- essential to successful husbandry, and when lower than that of the atmosphere itself, and to every Virginian; their hearts swell with The of science to accomplish. "When we the idea that men who are unfit for every it is for this reason that under-drained subtrampt," says Dr. Smith, "to consider how other pursuit, will make good farmers, shall soiled lands never suffer from drought. In the great need of such a paper as alluded to en inches in height, and finely proporearly spring the under-drained portions of in this article, we have begun to publish "The tioned. His face is impressive and the state of the spring the under-drained portions of in this article, we have begun to publish "The tioned. His face is impressive and the state of the any farra will be found ready for cultivation. Farmers' Journal," and we would ask to commanding, and beaming all over with The showers of many days cannot long re- whom are we to look for support in this enmain to prevent the use of the plow; the soil terprise? whose interest do we advocate being always freed from excess of water will and advance in this undertaking? is it not A few years since we were almost the only not pack so as to be impenetrable to roots. that of the farmer? if so, of course to him we advocates of under-draining, except for lands Indeed, the surface-soil is undergoing con- look for support. We have before made a which were entirely unsuited to all kinds of tinual improvement by a free condition of similar appeal through our own columns; but dly unable to comprehend the existence of cultivation without the assistance of under- the sub-soil, for in under-drained lands the it seems not to have been seen, or, if seen, not drains. Since that time, however, the doc- sub-soil is always so conditioned that the heeded by many. We have now concluded trines were then collated from the experience roots of plants can enter it, and thus bring to ask a place in the various papers of the of English and other farmers, who had used up its inorganic constituents to supply such State and we do hope to be heard. There are under-drains for the correction of sour soils deficiencies to the surface-soil. The very according to the last census, more than 200,not habitually wet throughout the year, have circulation of atmosphere in under-drains, 000 men engaged more or less, in farming in ly say, that from the first time he enterbeen admitted, and in many cases by our furnishes a continuous supply of these consti- our State; and it does seem, that out of this ed public life, no man has spent his powreaders adopted-and the general usefulness tuents to the superincumbent soil. We have number, we ought to have, at least 10,000 A very common and most pernicious error of under-drains, beyond the mere removal of settled this question practically to our heart's reading men; those who read upon subjects

that farming is the simplest of all arts, re- in spring, and not sufficiently moist in sum- der-drains it was the poorest half, and al- the number we must have in order to effect during nothing more than mere physical mer, is generally admitted. Indeed, there though it has not since received any greater that good, which we have it in our power to rough to manage it in all it details. The are few soils in which a proper arrangement share of fertilizing materials than the un- do. Such papers in other States, have three that mental exertion is in any degree re- of under-drains will not prove profitable; for drained portions, still it yields us much the times that number, for the plain reason, that quisite, is wholly lost sight of .- Many believe influences are exercised through their means largest profit, and with all other conditions their young men are not seen soliciting sub-

THE ART OF GROWING Trees from Cuttings.

has discovered a motie of propagating from that Franklin has never been suspected hundred cuttings put out in June, not one declaimer, a man of consummate tact but was thriving in August in the open air, and shrewdness-a complete wire puller without shade or extra care, except watering form of a bow, with the centre part up, and which is the only part exposed to the air; the ever, comparatively young, and may ing up supports and gives vigor to the bud, "come out" as a statesman. His morod of setting them is to form two drills about Undrained soils are not benefitted by the three inches apart with a sharp ridge be-

An Easy Natured Farmer.

THE TRUE MAHOMETAN SPIRIT.

A certain good-natured old Vermont father preserved his constant good nature let what

"Is he?" said the old man, "well, he almere than two of the others." Hereupon the army in Mexico, he turned to those upon herself the office of Eliphaz, reprimanded her husband very severely, and asked him if he was not aware that his loss was a judgment of Heaven for his wickedness. "Is it!" said the old fellow. "Well if they will take Gen. Scott, occupying his present posithe judgment in cattle, it is the easiest way tion, every southern State he believed, I can pay it."

POLITICAL.

General Pierce.

Everybody, of course, is anxious to know something about the personal of the man who is to be our next Presithe light of intellect and energy. We have never seen a countenance which exhibits more lofty purpose, zeal, and undisguised frankness. With a mind of the highest order, and harmoniously developed, he combines the suavity of a child. His habits are those of a man who believes there is a great deal to be done, and very little time to do it in. He is forever at work, and we may safeers more profusely, in carrying out what was alloted to him, than Gen. Pierce.

that when a man, endowed with good stout of far greater importance than the mere reand a strong constitution, has proven moval of surplus water in the abstract. In We never suffer from drought; continued elsewhere, when there is one in their own zen lives to give they would be freely year.

herited from his father, who was a general in the revolutionary war, and we may add, was afterwards Governor of New Hampshire. We delight in being thus particular (though we have not said all that we shall say).

Cleve'and Plaindealer.

A WHIG'S SAY OF GEN. PIERCE.

The editor of the Ironton, Onio, Register (Whig) having from his earliest boyhood known Gen. Pierce, undertakes to tell who he is. He says: "FRANKLIN PIERCE was born about The father was a very illiterate man, an unwavering Democrat, and an unsullied patriot; both father and son were flaming Jackson men in the times of Professor Delacroix, of Besancon, in France | Adams and Jackson; and we believe cuttings, which is not only successful in case of being anything else but the fiercest

> "He is an eloquent speaker, a fierce -a perfect political manager. He is carnest in his endeavors-always says can, never can't-has talents of a high order, yet he does not come up to the dignity of a statesman. He is, howevprobably is as honest as any of the wire working politicians."

As to the nomination, the Register says:-"All in all, it is a nomination coupled with that of Mr. King, for Vice president, in every way calculated to

Well, all that is saying a good deal for a Whig, though Gen. Pierce is more of a statesman than the editor of The Detroit Advertiser relates the following the Register takes him to be. As to that we believe is pretty generally conceded on all hands. - Cincinnati Enq.

A Prediction

THAT WILL COME TO PASS.

On Saturday evening last the De-

After the adoption of the resolutions Howard, in the course of his remarks, related an incident which he said would gentlemen and said. "I am now commissioning a man who will one day be President." As to the Whig nomination, Mr. H. said if it should be that of would go for Pierce.—Pennsylvanian.

A Home Thrust.

The Savannah Republican, a Whig pa-PERSONAL APPEARANCE & HABITS OF per, hits the sore point of the whigh movement for Gen. Scott in the following pointed terms:

"There may be policy, but we are unable to discover any frankness or patriotism, in Gen. Scott's present position. The fact that he remains silent at the sugthem. Will he do the same if elected President? If Seward and his followers control him now, we see no reason to hope for better things after his election. It is this consideration which will prevent southern whigs from supporting him on any kind of platform, or with any sort of letter, however satisfactory."

This view of the matter be deemed to be unans.werable-at least until some plausible attempt shall be made by the Scott organs to answer it. .

Washington Union.

GEN. WORTH .- The family of Gen. As an orator we will pit him against Worth, it is said have applied to Conany body in the country-but his argu- gress for a pension, to be paid them in ments are none the less compact for the consideration of the public services of beauty of his diction and the elegance Gen. Worth, who, at the time of his of his gestures. In his love of country death, was unable to leave them any